A Study of ULF pulsations observed at a New Magnetometer Array in the Tasmania and New Zealand Region

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In order to observe ULF pulsations and its spatial distribution, we are constructing a new magnetometer array in New Zealand and Tasmania region. In February 2011 and March 2012, we installed (or will install) magnetometers in Middlemarch and Wairarapa, respectively. Some magnetometers have been operated by previous projects in Tasmania and its conjugate point. Coordination of their and our magnetometers will allow us to study temporal variations of frequency of field line resonances in the Tasmania and New Zealand meridian lines. In this paper, our latest results are introduced.

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